



3" diameter Mini-Dome

Standard Camera

Powered by  
**PIXIM**<sup>®</sup>  
**SEAWOLF**



Features

- 1/3" WDR digital imaging device
- Exceptional 690 Effective TVL Resolution
- 0.003 lux min. Illumination (DSS on)
- Wide Dynamic Range up to 120db
- 3D Motion Adaptive Digital Noise Reduction
- IR Cut Filter for True Day/Night
- Optical Photo Sensor for accurate Day/Night
- RS485 & program buttons to control OSD
- 12VDC/24VAC, auto-polarity
- Privacy Mask

**Pixim Seawolf WDR Series**

The Seawolf series cameras from Visionhitech feature the new Pixim Seawolf Image Sensor. With improvements in light sensitivity and resolution, you'll get unprecedented performance both day and night, with the ultimate in WDR performance.

Pixim sensor technology is unmatched in dynamic range reproduction, providing shadow and highlight detail missing from conventional cameras. 3D Motion adaptive DNR and D.S.S. reduce noise in low light, which improves DVR storage efficiency. Lower noise images produce smaller video file sizes, so you'll extend recording time.

This makes the Seawolf series the best solution for demanding high contrast lighting environments day or night.



Orca Sensor



Seawolf Sensor

**8x better Low Light Performance with Seawolf**

Previous generation ORCA sensors had 0.8 lux sensitivity. The new Seawolf sensor is 8 times more light sensitive @ 0.1lux! And the addition of Digital Slow Shutter further increases light sensitivity to an astounding 0.003 lux! Now you can have the ultimate in WDR performance AND visual acuity at night.



Conventional



Seawolf Sensor

**Ultra-Wide Dynamic Range**





Regular WDR CCD sensors typically use a double-scan technique to capture highlights then lowlights to retain details at both extremes. The Pixim Seawolf Digital image sensor can individually control exposure on a per-pixel basis, resulting in no-compromise image reproduction.



**690 Effective TVL High Resolution** The Seawolf Image Sensor employs progressive scan, which extends vertical resolution by 25%. By normalizing the total image resolution to the vertical resolution of the interlaced capture array, effective TVL more accurately represents the total spatial resolution of the system.



# Pixim Seawolf Series SPECIFICATIONS

	Model	Type	Lens	IP Rating	Day/Night	OSD	Power	Special Features
	VDS120D88-VFA12DN VDA111D88-VFA12DN	Slim Dome	3.3-12mm VF	Indoor IP66	ICR	RS485 & Buttons	12VDC/ 24VAC	Flush look, Surface mount
	VD70D88-S36 VD70D88-F36	Mini Armor Dome	3.6mm	IP66	Electronic	N/A	12VDC	Surface, Flush and Wall mount versions
	VC58D88-24	Box Camera	Optional	Indoor	ICR	RS485 & Buttons	12VDC/ 24VAC	Flange Back-Focus
	VM32D88 VM42D88	Board Camera	Various Fixed & VF sizes	Indoor	Electronic	N/A	12VDC	32mm or 42mm square

## VD70D88 Model Matrix

Main Model #	Mounting	Lens Options	Finish Options	Model # examples
VD70D88-S29	Surface Mount	2.9mm Standard; 3.6, 4.3 & 6.0mm optional	W (White Finish) B (Black Finish) S (Silver Finish)	VD70D88-W43B; Wall Mount, 4.3mm lens, Black Finish
VD70D88-F29	Flush Mount			
VD70D88-W29	Wall Mount			

## Seawolf Series Specifications

### Video

Image Sensor	1/3" Pixim Seawolf WDR Digital Imaging Device
Total Pixels	768x548
Resolution	570 TVL (H) / 460 TVL (V) 690 HTVL Effective
Sync	Internal / Line Lock
Scanning System	NTSC 525 lines; 2:1 interlace
Video Output	1.0Vpp composite 75 ohms
S/N ratio	>53dB (AGC Off)
Minimum Illumination	0.1 lux (DSS off), 0.003 lux DSS On
Gamma Correction	Standard $\gamma=0.45$
Smear Effect	0.005%
Electronic Shutter Speed	1/25-1/30,720 second f1.4
Operating Temperature	14F-122F (-10C+50C)
Humidity	Within 90% RH

### OSD Features (If OSD available)

WDR	Auto / Off / Low / Middle / High
White Balance	ATW / AWC / Manual 2,000K-11,000K Auto
Gain Control	Off / Low / Middle / High
Gamma Correction	Auto / Manual
Backlight Compensation	Off/ On, adjustable backlight zone
AGC	Off / Low / Middle / High
3DNR	Off / On
Digital Slow Shutter	Off / 2x-32x
Motion Detection	Off / On, 4 Programmable Zones
Digital PTZ	Off / 1x-8x
Day / Night	Auto / color / BW (Burst on/off)
Reversal	NOR / MIR / VER / FLIP
Privacy Mask	Off / On, 16 Programmable Zones
OSD Controls	5 button or RS485 or none, depending on model

Design and specifications are subject to change without notice.

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